

Abstract of the Disclosure

An ultra-wideband antenna for operating in a frequency is disclosed wherein a monopole antenna extends from a ground plane. The monopole has an effective length L of one quarter wavelength at the lowest frequency f_1 . A dielectric resonator antenna (DRA) surrounds the monopole antenna for resonating at substantially between or at two and three times the lowest frequency f_1 . the DRA is of a height of less than $3/4L$ and is disposed in such a manner as being above the ground plane and either contacting or spaced therefrom by a gap G , wherein $0 \leq G \leq 0.2H$. The ultra-wideband antenna is of a much greater bandwidth than the sum of bandwidth of the monopole or the DRA alone.